

**Table 4E**  
**2008 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Comparison of Racial and Ethnic Distribution by Region**  
**Children Aged < 5 Years** <sup>(2)</sup>

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<b>Comparison of Racial and Ethnic Distribution by Region</b>								
<b>Region</b>	<b>Number Included in Analysis (3)</b>	<b>White, Not Hispanic %</b>	<b>Black, Not Hispanic %</b>	<b>Hispanic %</b>	<b>American Indian/Alaskan Native %</b>	<b>Asian/Pacific Islander %</b>	<b>Multiple Races %</b>	<b>All Other / Unknown %</b>
CDHU	589	66.6	1.4	6.1	18.3	0.5	7.1	0.0
FDHU	2,217	67.8	3.1	11.0	8.1	0.8	9.2	0.0
James R	952	86.2	1.7	7.6	2.0	0.2	2.2	0.1
LRDHU	1,288	34.2	0.3	3.9	57.1	0.3	4.2	0.0
North RR	2,485	60.6	3.8	19.7	7.7	0.8	7.5	0.0
Rolette	1,382	2.7	0.1	2.1	93.4	0.4	1.3	0.0
So Central	1,922	60.6	0.9	5.5	21.9	0.8	10.3	0.0
South RR	3,435	65.8	11.4	9.5	4.8	1.1	6.9	0.5
SWDHU	633	82.8	2.4	6.0	5.1	0.5	3.2	0.2
UMDHU	531	68.2	1.1	7.2	11.9	0.9	9.8	0.9
<b>North Dakota</b>	<b>15,434</b>	<b>58.4</b>	<b>4.0</b>	<b>9.2</b>	<b>20.8</b>	<b>0.7</b>	<b>6.7</b>	<b>0.2</b>
<b>Nation (Prior Year)</b>	<b>7,995,600</b>	<b>31.6</b>	<b>19.4</b>	<b>40.9</b>	<b>1.0</b>	<b>2.5</b>	<b>1.8</b>	<b>2.7</b>

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with errors.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 5E**  
**2008 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Comparison of Age Distribution by Region**  
**Children Aged < 5 Years** <sup>(2)</sup>

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<b>Comparison of Age Distribution by Region</b>				
<b>Region</b>	Number Included in Analysis (3,4)	0 - 11 Months  %	12 - 23 Months  %	24 - 59 Months  %
CDHU	589	36.8	18.3	44.8
FDHU	2,217	41.6	19.2	39.2
James R	952	37.9	18.0	44.1
LRDHU	1,288	32.1	17.2	50.7
North RR	2,485	39.7	19.0	41.3
Rolette	1,382	33.4	16.0	50.6
So Central	1,922	40.5	18.6	40.9
South RR	3,435	40.3	18.7	41.1
SWDHU	633	38.4	18.0	43.6
UMDHU	531	39.2	14.3	46.5
<b>North Dakota</b>	<b>15,434</b>	<b>38.7</b>	<b>18.2</b>	<b>43.1</b>
<b>Nation (Prior Year)</b>	<b>7,995,600</b>	<b>37.6</b>	<b>22.1</b>	<b>40.3</b>

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Records rejected if date of birth and date of visit unknown.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 6E**  
**2008 Pediatric Nutrition Surveillance** (1)  
**North Dakota**  
**Comparison of Growth and Anemia Indicators by Region**  
**Children Aged < 5 Years** (2)

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Comparison of Growth and Anemia Indicators by Region (3,4)												
Region	Birthweight (5)			Height and Weight							Anemia Low Hb/Hct (8)	
	Low	High		Short Stature (6)		Under- weight (7)	Obese (7)	≥ 2 Yrs Over- weight (7)				
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% <5th (Rank)	% <5th (Rank)	% ≥95th (Rank)	Number	% 85th- <95th (Rank)	% ≥95th (Rank)	Number	% (Rank)
CDHU	117	12.0 (9)	5.1 (1)	584	3.9 (3)	2.7 (7)	13.5 (5)	263	16.0 (3)	11.4 (3)	478	10.5 (8)
FDHU	575	9.4 (6)	9.9 (6)	2,192	5.1 (6)	2.8 (9)	10.4 (1)	858	15.9 (2)	10.0 (1)	1,451	6.1 (3)
James R	208	9.6 (7)	10.6 (7)	937	4.7 (5)	2.2 (4)	14.8 (7)	414	19.6 (8)	14.5 (8)	713	8.6 (5)
LRDHU	264	8.3 (2)	10.6 (7)	1,262	3.4 (1)	2.6 (5)	15.3 (8)	640	16.3 (4)	13.4 (7)	1,012	13.5 (10)
North RR	610	8.9 (4)	9.2 (4)	2,434	5.6 (8)	2.6 (5)	12.6 (4)	1,010	17.0 (6)	13.1 (6)	1,617	11.7 (9)
Rolette	306	9.2 (5)	13.4 (9)	1,362	3.5 (2)	2.0 (2)	24.7 (10)	681	23.3 (10)	25.3 (10)	1,096	3.1 (1)
So Central	451	10.6 (8)	6.0 (3)	1,903	5.3 (7)	1.9 (1)	14.2 (6)	789	18.1 (7)	16.9 (9)	1,468	7.7 (4)
South RR	837	8.4 (3)	9.8 (5)	3,367	4.3 (4)	2.8 (9)	11.5 (2)	1,390	16.3 (4)	10.3 (2)	2,459	9.7 (6)
SWDHU	141	5.7 (1)	5.7 (2)	621	5.6 (8)	2.7 (7)	12.4 (3)	272	14.0 (1)	12.9 (5)	430	10.0 (7)
UMDHU	98	* *	* *	525	6.3 (10)	2.1 (3)	16.8 (9)	234	20.1 (9)	12.8 (4)	408	4.7 (2)

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Rank compares this region's rate to other regions. Rank 1 = best rate.

(5) Infants born during the reporting period included in the analysis.

(6) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(7) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

**Table 6E**  
**2008 Pediatric Nutrition Surveillance** (1)  
**North Dakota**  
**Comparison of Growth and Anemia Indicators by Region**  
**Children Aged < 5 Years** (2)

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<b>Comparison of Growth and Anemia Indicators by Region</b> (3,4)											
<b>Region</b>	Birthweight (5)			Height and Weight						Anemia Low Hb/Hct (8)	
	Low	High		Short Stature (6)	Under- weight (7)	Obese (7)		≥ 2 Yrs Over- weight (7)			
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% <5th (Rank)	% <5th (Rank)	% ≥95th (Rank)	Number	% 85th- <95th (Rank)	% ≥95th (Rank)	Number % (Rank)
<b>North Dakota</b>	<b>3,607</b>	<b>9.0</b>	<b>9.2</b>	<b>15,187</b>	<b>4.7</b>	<b>2.5</b>	<b>13.8</b>	<b>6,551</b>	<b>17.5</b>	<b>13.8</b>	<b>11,132 8.7</b>
<b>Nation (Prior Year)</b>	<b>1,953,242</b>	<b>9.1</b>	<b>6.4</b>	<b>7,526,585</b>	<b>6.2</b>	<b>4.5</b>	<b>13.9</b>	<b>3,058,130</b>	<b>16.4</b>	<b>14.9</b>	<b>4,759,588 15.0</b>

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Rank compares this region's rate to other regions. Rank 1 = best rate.

(5) Infants born during the reporting period included in the analysis.

(6) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(7) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

**Table 7E**  
**2008 Pediatric Nutrition Surveillance** (1)  
**North Dakota**

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**Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Region** (2)  
**Children Aged < 5 Years** (3)

**Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Region**  
(4,5)

	Breastfeeding (5)						Exclusive Breastfeeding (6)				≤2 Hours TV Viewing/Day (7)		Smoking in Household	
Region	Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months	Number	% Breastfed At Least 3 Months	Number	% Breastfed At Least 6 Months	Number	%	Number	%
	(Rank)		(Rank)		(Rank)		(Rank)		(Rank)		(Rank)		(Rank)	
CDHU	117	65.0 (3)	127	10.2 (10)	98	* *	115	8.7 (8)	127	3.9 (8)	273	72.2 (8)	568	40.0 (9)
FDHU	574	52.4 (7)	482	19.5 (5)	393	10.9 (3)	494	17.8 (4)	466	9.2 (4)	796	83.4 (3)	2,098	31.6 (7)
James R	211	53.6 (6)	210	26.7 (2)	168	10.7 (4)	194	20.6 (2)	208	12.0 (3)	427	83.4 (3)	931	24.3 (1)
LRDHU	266	46.6 (8)	215	14.9 (8)	188	3.7 (7)	242	10.7 (7)	212	3.3 (9)	672	77.2 (7)	1,263	29.8 (6)
North RR	610	69.7 (1)	536	24.6 (3)	422	11.8 (2)	506	19.6 (3)	523	14.9 (2)	950	83.7 (2)	2,366	24.9 (2)
Rolette	310	40.0 (9)	263	12.5 (9)	227	9.7 (5)	270	4.4 (9)	258	1.6 (10)	707	70.4 (9)	1,321	25.4 (3)
So Central	451	65.6 (2)	433	18.7 (6)	320	9.4 (6)	422	14.2 (5)	418	4.8 (7)	832	68.9 (10)	1,856	29.1 (5)
South RR	836	60.5 (5)	767	21.6 (4)	613	12.1 (1)	689	13.2 (6)	743	6.7 (6)	1,376	78.2 (6)	3,281	32.4 (8)
SWDHU	142	62.0 (4)	119	26.9 (1)	96	* *	111	24.3 (1)	107	18.7 (1)	236	85.2 (1)	602	26.4 (4)
UMDHU	97	* *	107	15.0 (7)	80	* *	89	* *	102	8.8 (5)	194	82.0 (5)	486	40.9 (10)
North Dakota	3,614	58.3	3,259	20.1	2,605	10.4	3,132	14.9	3,164	8.2	6,463	78.0	14,772	29.7
Nation (Prior Year)	1,747,004	59.8	874,434	25.4	979,105	17.5	127,047	10.2	182,064	5.2	687,613	75.0	3,047,308	11.3

(1) Reporting period is January 1 through December 31.

(2) TV Viewing and Smoking in Household data are not reported by all contributors.

(3) Analyses based on one record per child.

(4) Excludes records with unknown data or errors.

(5) Rank compares this region's rate to other regions. Rank 1 = best rate.

Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in

(6) the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

(7) Children ages 2 years and older included in the analyses.

\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

**Table 6E**  
**2006 - 2008 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Comparison of Growth and Anemia Indicators by Region**  
**Children Aged < 5 Years** <sup>(2)</sup>

Comparison of Growth and Anemia Indicators by Region (3,4)												
Region	Birthweight (5)			Height and Weight							Anemia Low Hb/Hct (8)	
	Low	High		Short Stature (6)		Under- weight (7)	Obese (7)	≥ 2 Yrs Over- weight (7)				
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% <5th (Rank)	% <5th (Rank)	% ≥95th (Rank)	Number	% 85th- <95th (Rank)	% ≥95th (Rank)	Number	% (Rank)
CDHU	237	10.5 (9)	8.0 (3)	1,108	3.6 (2)	2.0 (2)	13.9 (5)	492	15.7 (2)	12.6 (6)	871	9.8 (7)
FDHU	1,115	8.4 (5)	10.8 (8)	4,396	4.8 (5)	2.9 (7)	10.7 (1)	1,773	16.1 (4)	10.7 (2)	2,968	6.0 (3)
James R	436	9.9 (8)	10.1 (7)	1,920	4.8 (5)	3.1 (8)	15.1 (7)	856	18.6 (8)	15.7 (9)	1,443	8.7 (5)
LRDHU	524	7.6 (2)	13.9 (10)	2,507	4.2 (3)	3.9 (10)	16.2 (9)	1,227	15.4 (1)	12.2 (5)	2,068	12.2 (9)
North RR	1,231	8.7 (6)	9.8 (6)	4,852	5.5 (7)	3.2 (9)	13.0 (4)	1,951	16.8 (6)	12.7 (7)	3,185	12.4 (10)
Rolette	561	7.3 (1)	13.4 (9)	2,619	3.1 (1)	1.7 (1)	24.0 (10)	1,306	24.7 (10)	23.5 (10)	2,121	4.9 (1)
So Central	929	10.8 (10)	7.3 (2)	3,808	5.7 (8)	2.2 (3)	14.3 (6)	1,564	18.4 (7)	15.6 (8)	2,874	6.5 (4)
South RR	1,700	7.6 (2)	9.4 (5)	6,581	4.5 (4)	2.7 (6)	12.1 (3)	2,653	16.1 (4)	11.5 (4)	4,672	11.0 (8)
SWDHU	290	9.0 (7)	4.5 (1)	1,261	6.1 (9)	2.2 (3)	11.9 (2)	556	16.0 (3)	11.3 (3)	886	9.7 (6)
UMDHU	240	7.9 (4)	8.3 (4)	1,086	6.4 (10)	2.4 (5)	15.2 (8)	471	20.4 (9)	10.6 (1)	827	5.0 (2)

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Rank compares this region's rate to other regions. Rank 1 = best rate.

(5) Infants born during the reporting period included in the analysis.

(6) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(7) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

**Table 6E**  
**2006 - 2008 Pediatric Nutrition Surveillance** (1)  
**North Dakota**  
**Comparison of Growth and Anemia Indicators by Region**  
**Children Aged < 5 Years** (2)

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Comparison of Growth and Anemia Indicators by Region (3,4)													
Region	Birthweight (5)			Height and Weight							Anemia Low Hb/Hct (8)		
	Low		High	Short Stature (6)		Under- weight (7)	Obese (7)	≥ 2 Yrs Over- weight (7)					
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% <5th (Rank)	% <5th (Rank)	% ≥95th (Rank)	Number	% 85th- (Rank)	% <95th (Rank)	% ≥95th (Rank)	Number	% (Rank)
North Dakota	7,263	8.6	9.8	30,138	4.8	2.7	14.1	12,849	17.6	13.6		21,915	9.0

(1) Reporting period is January 1 through December 31.

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(3) Excludes records with unknown data or errors.

(4) Rank compares this region's rate to other regions. Rank 1 = best rate.

(5) Infants born during the reporting period included in the analysis.

(6) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(7) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

**Table 7E**  
**2006 - 2008 Pediatric Nutrition Surveillance** (1)  
**North Dakota**

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Run Date: 2 / 27 / 09

**Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Region** (2)  
**Children Aged < 5 Years** (3)

**Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Region**  
(4,5)

	Breastfeeding (5)						Exclusive Breastfeeding (6)				≤2 Hours TV Viewing/Day (7)		Smoking in Household	
Region	Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months	Number	% Breastfed At Least 3 Months	Number	% Breastfed At Least 6 Months	Number	%	Number	%
		(Rank)		(Rank)		(Rank)		(Rank)		(Rank)		(Rank)		(Rank)
CDHU	390	64.4 (3)	360	18.1 (7)	232	10.8 (7)	353	13.3 (6)	336	6.0 (8)	488	70.9 (9)	709	42.9 (10)
FDHU	1,740	58.4 (7)	1,516	19.5 (5)	1,001	10.9 (5)	1,513	17.5 (3)	1,377	9.6 (3)	1,506	84.6 (1)	2,772	33.9 (7)
James R	691	53.4 (8)	608	22.2 (3)	413	12.3 (3)	605	15.0 (4)	577	8.7 (4)	831	82.7 (3)	1,203	26.6 (3)
LRDHU	836	39.8 (9)	757	12.3 (9)	604	5.0 (10)	790	9.6 (9)	738	5.1 (9)	1,239	76.4 (7)	1,560	30.4 (5)
North RR	1,968	66.5 (1)	1,658	24.4 (2)	1,146	13.3 (2)	1,676	17.6 (2)	1,576	11.9 (2)	1,721	82.3 (4)	3,037	26.4 (2)
Rolette	864	37.6 (10)	781	12.2 (10)	630	7.6 (9)	782	4.2 (10)	765	2.1 (10)	1,277	71.6 (8)	1,512	23.4 (1)
So Central	1,436	64.8 (2)	1,290	19.1 (6)	875	10.6 (8)	1,317	14.7 (5)	1,206	7.9 (6)	1,485	67.5 (10)	2,348	31.4 (6)
South RR	2,608	61.8 (6)	2,262	21.1 (4)	1,544	10.9 (5)	2,252	12.8 (8)	2,141	7.2 (7)	2,482	77.0 (6)	4,194	34.0 (8)
SWDHU	490	64.3 (4)	406	29.6 (1)	269	20.8 (1)	410	20.0 (1)	375	14.7 (1)	452	84.1 (2)	806	28.9 (4)
UMDHU	390	63.6 (5)	344	17.2 (8)	237	11.4 (4)	345	13.3 (6)	318	8.5 (5)	290	81.7 (5)	639	39.9 (9)
North Dakota	11,413	58.8	9,982	19.9	6,951	10.9	10,043	14.1	9,409	8.2	11,771	77.4	18,780	31.1

(1) Reporting period is January 1 through December 31.

(2) TV Viewing and Smoking in Household data are not reported by all contributors.

(3) Analyses based on one record per child.

(4) Excludes records with unknown data or errors.

(5) Rank compares this region's rate to other regions. Rank 1 = best rate.

Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in

the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

(7) Children ages 2 years and older included in the analyses.

\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.